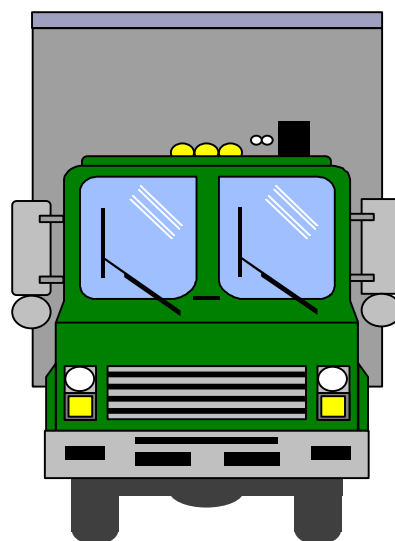




U.S. Department of
Transportation

The U.S. Department of Transportation's

Comprehensive Truck Size and Weight Study



DRAFT

Volume III Scenario Analysis

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ACRONYM LIST

AAR	— Association of American Railroads
AASHTO	— American Association of State Highway and Transportation Officials
ABS	— Antilock Braking System
c.g.	— center of gravity
CFS	— Commodity Flow Survey
CMV	— Commercial Motor Vehicle
COFC	— Container-on-Flat-Car
CTS&W	— Comprehensive Truck Size and Weight
DOT	— Department of Transportation
EPA	— Environmental Protection Agency
FARS	— Fatal Accident Reporting System
FBF	— Federal Bridge Formula (Bridge Formula B)
FHWA	— Federal Highway Administration
FSE	— Freight Service Expense
GIS	— Geographic Information System
GVW	— Gross Vehicle Weight
HCA	— Highway Cost Allocation
HPMS	— Highway Performance Monitoring System
ISO	— International Standards Organization
ISTEA	— Intermodal Surface Transportation Efficiency Act of 1991
ITIC	— Intermodal Transportation and Inventory Cost Model
LCV	— Longer Combination Vehicle

LTl	— Less-than-Truckload
LTR	— Load Transfer Ratio
MAG	— Multimodal Advisory Group
NAFTA	— North American Free Trade Agreement
NATS	— North American Transportation Survey
NBI	— National Bridge Inventory
NHS	— National Highway System
NN	— National Network for Large Trucks
NOX	— Nitrous Oxides
PCE	— Passenger Car Equivalents
PM	— Particulate Matter
POG	— Policy Oversight Group
RA	— Rearward Amplification
RMD	— Rocky Mountain Double
ROI	— Return on Investment
SAE	— Society of Automotive Engineers
SRS	— Static Roll Stability
STAA Double	— Five-axle double-trailer combination allowed by Surface Transportation Act of 1982
STAA	— Surface Transportation Assistance Act of 1982
STB	— Surface Transportation Board
SU2	— Two-axle single unit truck
SU3	— Three-axle single unit truck
SU4	— Four or more axle single unit truck
SUT	— Single-unit truck
TBD	— To be determined

- TIUS — Truck Inventory and Use Survey
- TL — Truckload
- TOFC — Trailer-on-Flat-Car
- TPD — Turnpike Double
- TRB — Transportation Research Board
- TS&W — Truck Size and Weight
- VMT — Vehicle-Miles-of-Travel
- VOC — Volatile Organic Compounds
- 2-S1 — Three-axle tractor semitrailer with 2-axes on the tractor and 1-axle on the trailer
- 2-S2 — Three-axle tractor semitrailer with 2-axes on the tractor and 2-axes on the trailer
- 3-S2 — Five-axle tractor semitrailer with 3-axes on the tractor and 2-axes on the trailer
- 3-S3 — Five-axle tractor semitrailer with 3-axes on the tractor and 3-axes on the trailer
- 2-S1-2 — Five-axle double trailer combination with 2-axes on the tractor, 1-axle on the first trailer, and 2-axes on the second trailer
- 3-S2-2 — Longer combination double trailer vehicle with 3-axes on the tractor, 2-axes on the first trailer, and 2-axes on the second trailer
- 3-S2-4 — Longer combination double trailer vehicle with 3-axes on the tractor, 2-axes on the first trailer, and 4-axes on the second trailer
- 3-S3-2 — Longer combination double trailer vehicle with 3-axes on the tractor, 3-axes on the first trailer, and 2-axes on the second trailer
- 2-S1-2-2 — Triple-trailer combination with 2-axes on the tractor, 1-axle on the first trailer, 2-axes on the second trailer, and 2-axes on the third trailer